



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Re Application of  
Jiebo Luo, et al.

TOOTH LOCATING WITHIN  
DENTAL IMAGES

Serial No. 10/731,231

Filed 09 December 2003

Group Art Unit: To Be Assigned

Examiner: To Be Assigned

I hereby certify that this correspondence is being deposited today with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*Anita Marie Barker*  
Anita Marie Barker

*March 8, 2004*  
Date

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA. 22313-1450

Sir:

**INFORMATION DISCLOSURE STATEMENT FOR CONSIDERATION**  
**BY THE OFFICE UNDER 37 C.F.R. 1.97-1.99**

Enclosed herewith are patents and/or publications for consideration by the Patent and Trademark Office in regard to the invention claimed in the above-described application. In compliance with §1.56, such documents are listed in the enclosed Form PTO-1449.

Applicants request that the Patent and Trademark Office make of record the above-identified documents. A full text copy of each document is attached, except for copies of U.S. patents and U.S. patent application publications. For documents not in English, an English translation or an equivalent English language patent or publication may be attached. Where a translation is not available, a concise explanation of the relevance of each document not in English is included either here or in the specification.

This Information Disclosure Statement (hereinafter "Statement") is submitted according to the following selected paragraph:

- I. ☒ This Statement is being filed under §1.97(b) within three months of the filing date of the application (other than a CPA), or before the mailing of a first Office action on the merits or before the mailing of a first Office action after the filing of a request for continued examination.
- II. ☐ This Statement is being filed under §1.97(c), with fee, **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account Number 05-0225. A duplicate copy of this Certification is enclosed.

III. ☐ This Statement is being filed under §1.97(c), with a certification under, §1.97(e) **prior** to the mailing date of any of a final action, a notice of allowance or an action that otherwise closes prosecution in the application. The undersigned hereby states that (check one):

☐ each item of information contained in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

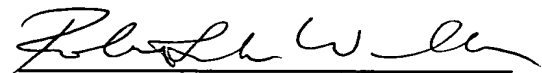
☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

IV. ☐ This Statement is being filed under §1.97(d), with fee and certification under §1.97(e), on or after the mailing date of either a final action, a notice of allowance (but prior to payment of the issue fee) or an action that otherwise closes prosecution in the application. Please charge the fee required by §1.17(p) to Eastman Kodak Company Deposit Order Account No. 05-0225. A duplicate copy of this Certification is enclosed. The undersigned hereby states that (check one):

☐ each item of information in this Statement was first cited in any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Statement.

☐ no item of information in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application, and, to the knowledge of the person signing this certification under §1.97(e) after making reasonable inquiry, no item of information contained in this Statement was known to any individual designated in §1.56(c) more than three months prior to the filing of this Statement.

Respectfully submitted,



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Enclosures

FORM PTO-1449

US DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

MAR 11 2004



If AFTER the later date of the first Office Action or 3 months from filing, use only with Rule 97(E) Certificate or Fee

## LIST OF ART CITED BY APPLICANT

(Use several sheets if necessary)

Atty. Docket No.

87009RLW

Customer No. 01333

Serial No.

10/731,231

Applicant:

Jiebo Luo, et al

Filing Date

09 December 2003

Group

To Be Assigned

## U.S. PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,901,245	5-04-1999	Warnick et al.			
	5,961,324	10-05-1999	Lehmann			
	6,132,210	10-17-2000	Lehmann			
	6,190,170 B1	02-20-2001	Morris et al.			
	6,206,691 B1	03-27-2001	Lehmann et al.			
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	6,358,047 B2	03-19-2002	Lehmann			
	6,384,917 B1	05-07-2002	Fradkin			
	2002/0021439 A1	02-21-2002	Priestley et al.			

## FOREIGN PATENT DOCUMENTS

Examiner Initial*	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES   NO
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## OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

Digital Image Processing, R.C. Gonzalez and R. E. Woods, pp.458-461, Addison--Wesley Publishing Company, (1992)

Active Shape Models – Their Training and Application, Cootes et al, Computer Vision and Image Understanding, Vol. 61, No. 1, pp. 38-59, (1995)

Contemporary Esthetics and Restorative Practice, August 2003, Volume 7, No. 8 “The Use of Digital Photography, Shade Mapping Technology, and Proper Laboratory Communication to Achieve Predictable Shade Matching for Anterior Restorations” pp. 24-33.

ProWest – ShadeScan by Cynovad (<http://www.prowestdentallab.com>) 4 pages, printed out 12/5/2003.

Shofu Dental Corporation – ShadeEye NCC from Shofu Dental Corporation, (<http://www.shadeeye.com>), 2 pages, printed out 12/5/2003. Printed out 12/4/2003.

ClearMatch, Dentist and Laboratory Shade Communication Software, 3 pages, <http://www.smart-technology.net/Clearmatch.htm>, printed out 12/5/2003

Welcome to CYNOVAD, ShadeScan, ShadeWhite, Mapping the Shades . . . With A Single Click!, 4 pages, ([http://www.cynovad.com/shadescan\\_p.htm](http://www.cynovad.com/shadescan_p.htm)), printed out 3/8/2004

Sullivan-Schein Dental, X-Rite Shade Vision System, 2 pages, (<http://www.sullivanschein.com>), printed out 3/8/2004.

X-Rite ShadeVision System, X-Rite ShadeVision System Quick Guide, 1 page, (<http://www.shadevision.com>), printed out 3/8/2004.

X-Rite ShadeVision System, X-Rite ShadeVision System, Good Targeting, 3 pages, (<http://www.shadevision.com>), printed out 3/8/2004.

EXAMINER

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.